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Attorney Docket No. S-2481/CONT  
MAIL STOP AFIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: ) Group Art Unit: 1618  
 )  
 YOKOYAMA; HONZAWA; OGAWA ) Examiner: J. W. Rogers  
 )  
 Serial No. 10/666,384 )  
 )  
 Filed: September 22, 2003 )

For: **PRODUCTION PROCESS FOR POLYMERIC MICELLE CHARGED  
THEREIN WITH DRUG AND POLYMERIC MICELLE COMPOSITION**

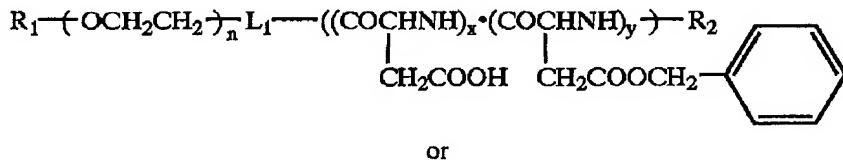
Appendix A

1. (Previously presented) A process for the production of a polymeric micelle charged therein with a water-scarcely soluble drug, comprising the steps of:

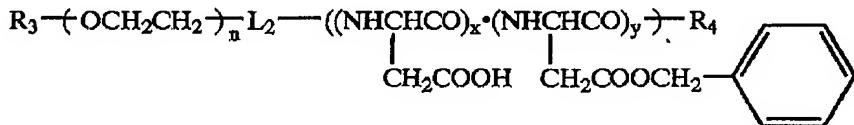
(A) dissolving a water-scarcely soluble drug and a block copolymer having a hydrophilic segment and a hydrophobic segment in a water non-miscible organic solvent to prepare an organic solution,

wherein the block copolymer is represented by the following Formula (I) or (II)

(I)



(II)



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wherein R<sub>1</sub> and R<sub>3</sub> represent a hydrogen atom or a lower alkyl group; R<sub>2</sub> represents a hydrogen atom, a saturated or unsaturated C<sub>1</sub> to C<sub>29</sub> aliphatic carbonyl group or an arylcarbonyl group; R<sub>4</sub> represents a hydroxyl group, a saturated or unsaturated C<sub>1</sub> to C<sub>30</sub> aliphatic oxy group or an aryl-lower alkyloxy group; L<sub>1</sub> represents a linkage group selected from the group consisting of -NH-, -O- and -OCO-Z-NH- (wherein Z represents a C<sub>1</sub> to C<sub>4</sub> alkylene group); L<sub>2</sub> represents a linkage group selected from -OCO-Z-CO- and -NHCO-Z-CO- (wherein Z represents a C<sub>1</sub> to C<sub>4</sub> alkylene group); n represents an integer of 10 to 2500; x and y may be the same or different and represent integers the total of which is 10 to 300; x to y falls in a range of 7 : 3 to 1 : 3,

(B) mixing the resulting organic solution with an aqueous medium to form an oil-in-water (O/W) type emulsion,

(C) vaporizing and removing the above organic solvent from the resulting emulsion to form a polymeric micelle solution charged therein with the above drug, and

(D) subjecting the resulting polymeric micelle solution, if necessary, to supersonic treatment and ultrafiltration treatment.

Claims 2-18 (Cancelled)